

AMENDMENTS TO THE CLAIMS

Claims 1 and 2 (Canceled).

Claim 3 (new): An electric guitar including

- Q5
- (a) a fingerboard;
 - (b) a plurality of strings;
 - (c) a hollow acoustic body including
 - (i) a front,
 - (ii) a back,
 - (iii) elongate thin bouts extending intermediate the front and the back, the front back and bouts enclosing a hollow space,
 - (iv) a hollow upper portion, and
 - (v) a lower hollow portion connected to and larger than the upper portion,
 - (vi) a sound hole formed through the front to allow resonant sound produced by resonance in the hollow space and bouts to escape outwardly from the hollow space through the sound hole;
 - (d) a speaker system mounted in the hollow acoustic body and including at least one speaker positioned at least partially beneath the sound hole and at least one speaker positioned at least partially offset from the sound hole and beneath the front;
 - (e) a system operatively associated with the strings and the speaker to cause sound to
 - (i) emanate from the speaker system when the strings are played, and

- 1 (ii) resonate in the hollow space and bout and produce resonant sound that
2 emanates from the hollow space outwardly through the sound hole.
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4 Claim 4 (new): An electric guitar including
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- 6 (a) a fingerboard;
7 (b) a plurality of strings;
8 (c) a hollow acoustic body including
9 (i) a front,
10 (ii) a back,
11 (iii) elongate thin bouts extending intermediate the front and the back, the front
12 back and bouts enclosing a hollow space,
13 (iv) a hollow upper portion, and
14 (v) a lower hollow portion connected to and larger than the upper portion,
15 (vi) a sound hole formed through the front to allow resonant sound produced by
16 resonance in the hollow space and bouts to escape outwardly from the hollow
17 space through the sound hole;
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19 (d) a speaker system mounted in the hollow acoustic body and including at least one
20 speaker;
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22 (e) at least one port inside the hollow acoustic body extending outwardly from the
23 speaker toward at least one of the bouts to direct sound from the speaker through
24 the port to the bout to cause the bout to vibrate; and,
25 (f) a system operatively associated with the strings and the speaker to cause sound to
26 (i) emanate from the speaker system when the strings are played, and
27 (ii) resonate in the hollow space and bout and produce resonant sound that
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emanates from the hollow space outwardly through the sound hole.

Claim 5 (new): An electric guitar including

- (a) a fingerboard;
- (b) a plurality of strings muted to minimize the sound produced by vibration of the strings;
- (c) a hollow acoustic body including
- (i) a front,
 - (ii) a back,
 - (iii) elongate thin bouts extending intermediate the front and the back, the front back and bouts enclosing a hollow space,
 - (iv) a hollow upper portion, and
 - (v) a lower hollow portion connected to and larger than the upper portion,
 - (vi) a sound hole formed through the front to allow resonant sound produced by resonance in the hollow space and bouts to escape outwardly from the hollow space through the sound hole;
- (d) a speaker system mounted in the hollow acoustic body and including at least one speaker;
- (e) a strummer system operatively associated with the strings and the speaker to detect movement of the strings to cause synthetically produced notes to
- (i) emanate from the speaker system when the strings are played, and
 - (ii) resonate in the hollow space and bout and produce resonant sound that emanates from the hollow space outwardly through the sound hole.

1 Claim 6 (New). A guitar including

2 (a) a fingerboard;

3 (b) a plurality of strings;

4 (c) a hollow acoustic body including

5 (i) a front including an arcuate peripheral edge having non-linear radii vectors,

6 (ii) a back including an arcuate peripheral edge having non-linear radii vectors,

7 (iii) elongate bouts terminating at and extending between the arcuate peripheral
8 edges of the front and the back,

9 the front, back, and bouts enclosing a hollow space,

10 (iv) a hollow upper portion,

11 (v) a lower hollow portion connected to the upper portion,

12 (vi) a sound hole formed in the front to allow resonant sound produced by
13 resonance in the hollow space and bouts to escape outwardly from the hollow
14 space,

15 (vii) air in the hollow space,

16 the hollow acoustic body having a plurality of natural resonant frequencies to amplify
17 by ten to one-thousand time any frequency of sound produced by one of the strings
18 having a frequency in the range of 440 Hz to 1318Hz;

19 (d) at least one speaker mounted in the hollow acoustic body to produce sounds having
20 frequencies in the range of 440 Hz to 1318 Hz;

21 (e) a system operatively associated with the strings and the speaker to cause
22 synthetically produced notes to

23 (i) emanate from the speaker when the strings are played, and

24 (ii) vibrate and resonate the front, back, bouts and air in the hoolow space and
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emanate from the hollow space outwardly through the sound hole.